

50200101  
Conventional Ferron Sandstone Gas  
Monte Carlo Results

**Forecast: Gas in Gas Fields**

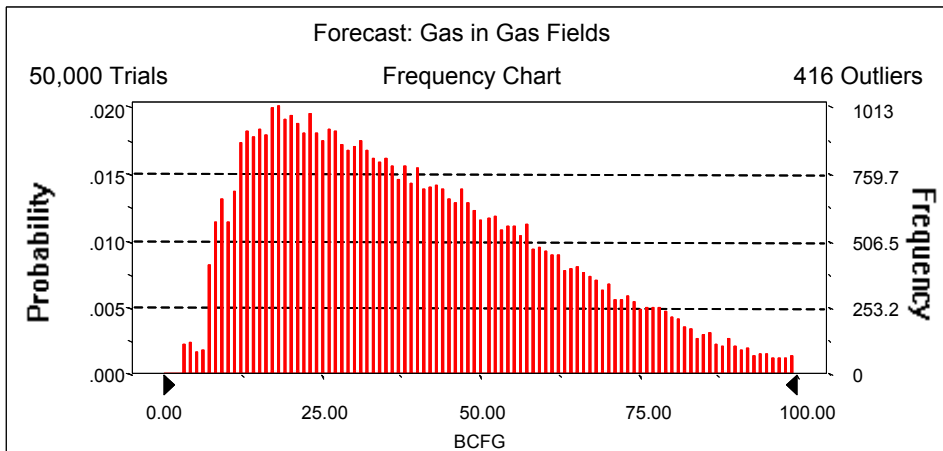
Summary:

Display range is from 0.00 to 100.00 BCFG

Entire range is from 3.15 to 150.75 BCFG

After 50,000 trials, the standard error of the mean is 0.10

Statistics:	Value
Trials	50000
Mean	39.75
Median	35.91
Mode	---
Standard Deviation	22.23
Variance	494.37
Skewness	0.70
Kurtosis	2.97
Coefficient of Variability	0.56
Range Minimum	3.15
Range Maximum	150.75
Range Width	147.60
Mean Standard Error	0.10



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**Forecast: Gas in Gas Fields (cont'd)**

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	3.15
95%	10.73
90%	13.86
85%	16.60
80%	19.12
75%	21.70
70%	24.35
65%	27.10
60%	29.94
55%	32.85
50%	35.91
45%	39.17
40%	42.62
35%	46.23
30%	50.06
25%	54.44
20%	59.09
15%	64.65
10%	71.61
5%	81.23
0%	150.75

End of Forecast

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**Forecast: NGL in Gas Fields**

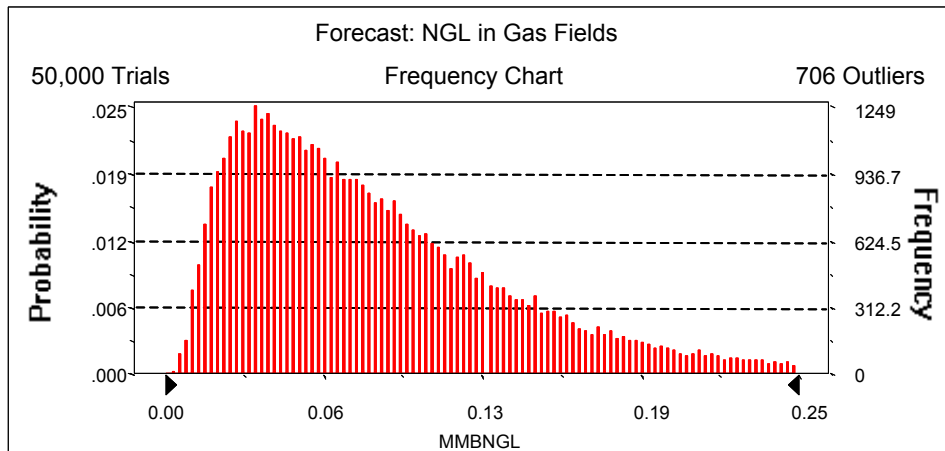
Summary:

Display range is from 0.00 to 0.25 MMBNGL

Entire range is from 0.00 to 0.45 MMBNGL

After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	0.08
Median	0.07
Mode	---
Standard Deviation	0.06
Variance	0.00
Skewness	1.28
Kurtosis	5.01
Coefficient of Variability	0.67
Range Minimum	0.00
Range Maximum	0.45
Range Width	0.45
Mean Standard Error	0.00



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**Forecast: NGL in Gas Fields (cont'd)**

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	0.00
95%	0.02
90%	0.03
85%	0.03
80%	0.04
75%	0.04
70%	0.05
65%	0.05
60%	0.06
55%	0.06
50%	0.07
45%	0.08
40%	0.09
35%	0.09
30%	0.10
25%	0.11
20%	0.12
15%	0.14
10%	0.16
5%	0.19
0%	0.45

End of Forecast

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**Forecast: Largest Gas Field**

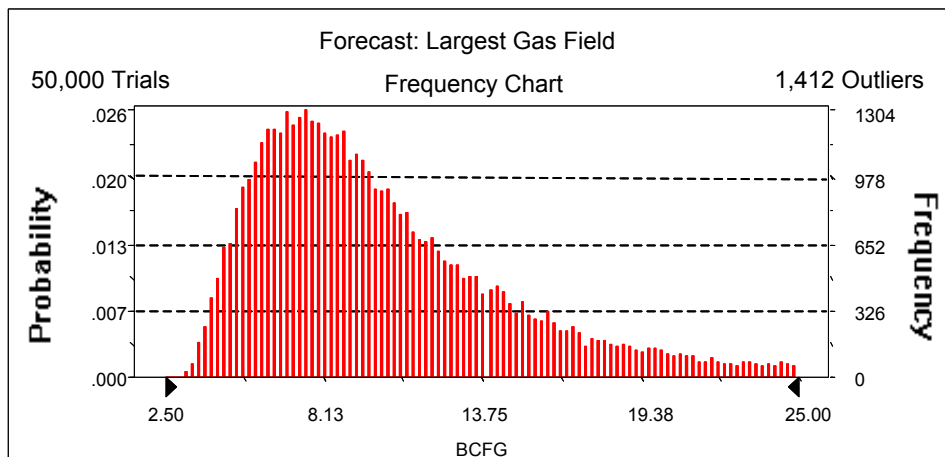
Summary:

Display range is from 2.50 to 25.00 BCFG

Entire range is from 3.15 to 39.96 BCFG

After 50,000 trials, the standard error of the mean is 0.02

Statistics:	Value
Trials	50000
Mean	10.73
Median	9.31
Mode	---
Standard Deviation	5.45
Variance	29.66
Skewness	1.76
Kurtosis	7.05
Coefficient of Variability	0.51
Range Minimum	3.15
Range Maximum	39.96
Range Width	36.81
Mean Standard Error	0.02



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**Forecast: Largest Gas Field (cont'd)**

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	3.15
95%	4.90
90%	5.55
85%	6.07
80%	6.54
75%	6.99
70%	7.44
65%	7.88
60%	8.34
55%	8.82
50%	9.31
45%	9.85
40%	10.45
35%	11.12
30%	11.92
25%	12.84
20%	13.98
15%	15.43
10%	17.68
5%	21.72
0%	39.96

End of Forecast

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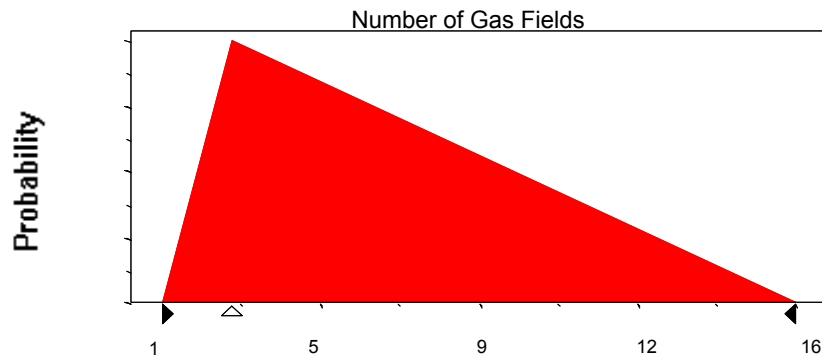
**Assumptions**

**Assumption: Number of Gas Fields**

Triangular distribution with parameters:

Minimum	1
Likeliest	3
Maximum	16

Selected range is from 1 to 16  
Mean value in simulation was 7



**Assumption: Sizes of Gas Fields**

Lognormal distribution with parameters:

Mean	3.12
Standard Deviation	3.75

Shifted parameters

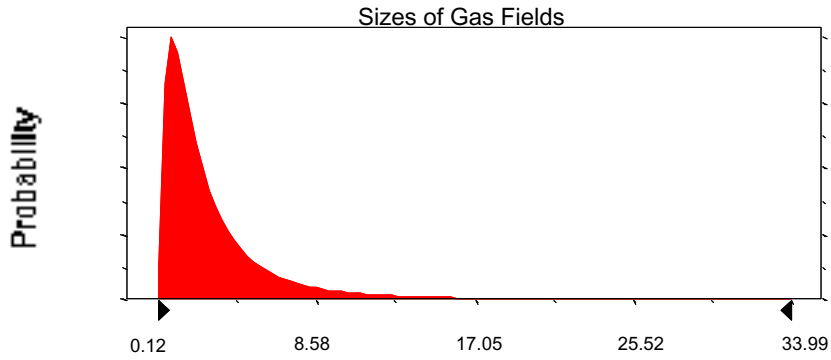
6.12
3.75

Selected range is from 0.00 to 37.00  
Mean value in simulation was 3.05

3.00 to 40.00  
6.05

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**Assumption: Sizes of Gas Fields (cont'd)**



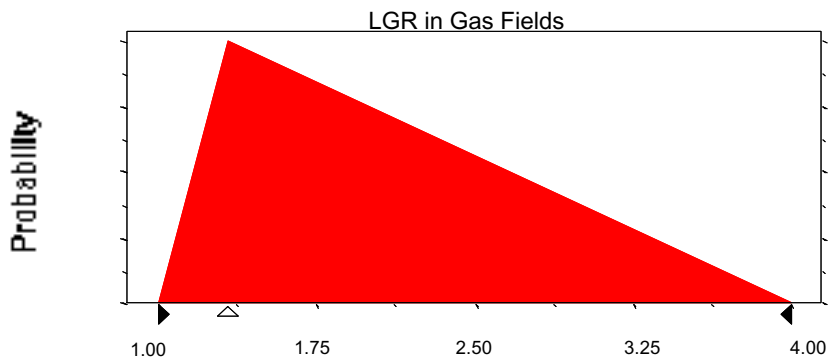
**Assumption: LGR in Gas Fields**

Triangular distribution with parameters:

Minimum	1.00
Likeliest	1.33
Maximum	4.00

Selected range is from 1.00 to 4.00

Mean value in simulation was 2.11



End of Assumptions

Simulation started on 9/12/00 at 14:58:18

Simulation stopped on 9/12/00 at 15:10:40



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Chapter 28***